iStream HD Wireless Media Adapter

300 Mbps, 802.11b/g/n, 2T2R MIMO Wireless Adapter for Gaming Consoles and Streaming Media Players

Part No.: 525282

Play Games, Watch Movies and More at 300 Mbps!

The Intellinet Network Solutions iStream HD™ is the ideal solution for connecting your IPTV, gaming console or other Ethernet-ready media device to your wireless home network. The iStream HD eliminates the need to locate your gaming system or other entertainment devices near an Internet connection, and because it uses a Cat5e / Cat6 cable to connect to your device, there's no need to use up one of your valuable USB ports. Setup is incredibly easy, and the iStream HD works with all gaming systems, as well as all Web-enabled TVs, DVRs, Blu-ray players and other such devices with an Ethernet port.

Super-Simple Setup

Setting up the iStream HD on your home network is completely hassle-free and requires no drivers or special software. All you need to do is plug the iStream HD into a power socket near your entertainment center and connect it to your gaming system or other device with an Ethernet cable (1 m / 3 ft. Cat5e cable included). Then simply use the Wireless Protected Setup (WPS) button to establish an encrypted link to your wireless network*.

Use with Any Ethernet-Ready Device

The iStream HD allows you to enjoy a completely lag-free online gaming experience from your Xbox 360, PS2, PS3 or Wii system, or watch streaming video in full HD (1080p with 5.1 stereo surround)** on such services as Netflix, Hulu or YouTube via your Web-ready HDTV, Blu-ray player or other media device. An internal 2T2R MIMO antenna array and Wi-Fi Multimedia (WMM) regulate bandwidth and signal fidelity for optimum performance.

Save a USB Port

Many hi-speed wireless adapters are designed to connect to your gaming system or other media device via USB. The problem is you need USB ports to attach gaming accessories and storage memory, making USB ports a valuable commodity. Because it connects via an Ethernet port, the iStream lets you free up a USB port while delivering superior, lag-free wireless connectivity at speeds of up to 300 Mbps***.

* Router must support WPS to use this feature. If your router does not support WPS, the iStream HD has a step-by-step, browser-based interface for configuring WEP, WPA or WPA2 security. See the Quick Install Guide for details.

** Network conditions and environmental factors — including Internet connection speed, volume of network traffic, weather conditions and electromagnetic interference — may affect HD streaming performance.

*** Actual data throughput will vary based on environmental factors and network traffic.

Features:

- Connects your gaming console, Blu-ray® player or Web-enabled TV to your wireless home network

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- Lightning-fast Wireless N connection for stutter-free gaming and HD-quality streaming media
- No drivers or software needed for installation
- Push-button Wi-Fi Protected Setup (WPS) simplifies secure wireless network connectivity
- Works with Xbox 360®, PlayStation® 2, PlayStation® 3 and Wii®
- Works with IPTVs and streaming media players, as well as Web-enabled Blu-ray® players and DVRs
- Supports streaming of HD (1080p) video and 5.1 stereo surround sound
- Advanced 2T2R MIMO technology with 2 internal antennas for enhanced throughput and coverage
- Up to 300 Mbps network link speed
- Supports WMM (IEEE 802.11e QoS standard) prioritizing bandwidth for multimedia applications
- Supports WEP (64/128 bit), WPA and WPA2 data encryption
- Three-Year Warranty

Specifications:

Standards
» IEEE 802.11b (11 Mbps Wireless LAN)
» IEEE 802.11g (54 Mbps Wireless LAN)
» IEEE 802.11e (QoS Enhancement WMM)
» IEEE 802.11n (300 Mbps Wireless LAN)

General
» LAN port: RJ45 10/100 Mbps data port
» LAN port with Auto MDI/MDI-X
» Flash: 2 MB
» Memory: 16 MB SDRAM
» Certifications: FCC Class B, CE, RoHS

Wireless
» Chipset: Realtek RTL8192CE
» Wireless frequency range: 2.400 – 2.483 GHz
» Modulation technologies:
- 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
- 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
» Data rates:
- IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
- IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
- IEEE 802.11n (MCS0-15: up to 300 Mbps)
» Output power:
- OFDM: 13 dBm +/- 1.5 dBm (300 Mbps, 20 mW max.)
- OFDM: 14 dBm +/- 1.5 dBm (54 Mbps, 25 mW max.)
- CCK: 17 dBm +/- 1 dBm (11 Mbps, 63 mW max.)
» Receiver sensitivity:
- 11n (300 Mbps) MCS0-15: 20 MHz: -67 dBm; 40MHz: -63 dB (+/- 2 dBm)
- 11g (54 Mbps) OFDM: -70 dBm (+/- 2 dBm)
- 11b (11 Mbps) CCK: -85 dBm (+/- 2 dBm)
» Wireless security:
- WEP encryption (64/128 bit)
- WPA TKIP
- WPA2 AES
- WPA2 mixed
» Antennas:
- 2 internal printed antennas with 3 dBi gain each
- 2T2R MIMO mode (2 transmitters, 2 receivers)

LEDs
» Signal
» WLAN
» Power
» WPS
» LAN

Power
» Internal power adapter: 5 V DC, 1.0 A
» Power consumption: 4 Watts max.

Environmental
» Dimensions: 46.5 (W) x 73 (H) x 41 (D) mm (1.8 x 2.9 x 1.6 in.)
» Weight: 0.45 kg (1.0 lb.)
» Operating temperature: 0 – 40°C (32 – 104°F)
» Operating humidity: 10 – 90% RH, non-condensing
» Storage temperature: -20 – 60°C (4 – 149°F)

Package Contents
» iStream HD Wireless Media Adapter
» Quick install guide
» User manual
» Ethernet Cat5 RJ45 cable: 1.0 m (3 ft.)

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